| L Number | Hits | Search Text | DB | Time stamp |
|---|---|---|---|---|
| 1 | 15 | 369/$7.ccls. and ((modulat$3 near3 amplitude) with (0.4$1 0.5$1 0.6$1)) | USPAT | 2004/06/23 08:31 |
| 2 | 39 | 369/$7.ccls. and ((modulat$3 near3 amplitude) with (4?% 5?% 6?% 7?%)) | USPAT | 2004/06/23 08:34 |
| - | 693 | 369/$7.ccls. and substrate and groove and pitch and wave$1length and ((numerical adj aperture) NA) | USPAT | 2004/06/17 13:22 |
| - | 80 | 369/$7.ccls. and substrate and groove and pitch and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) | USPAT | 2004/06/17 14:15 |
| - | 61 | 369/$7.ccls. and substrate and groove and pitch and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) | USPAT | 2004/06/17 14:18 |
| - | 59 | 369/$7.ccls. and substrate and groove and pitch and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) and $3nm | USPAT | 2004/06/17 14:21 |
| - | 23 | 369/$7.ccls. and substrate and groove and (pitch with $3nm) and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) and $3nm | USPAT | 2004/06/17 14:22 |
| - | 24 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m")) and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) and $3nm | USPAT | 2004/06/17 14:26 |
| - | 24 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m")) and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) | USPAT | 2004/06/17 14:32 |
| - | 22 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m")) and (wave$1length with ($3nm "0."$3".mu.m" "."$3".mu.m")) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) | USPAT | 2004/06/17 14:34 |
| - | 9 | 369/$7.ccls. and substrate and groove and (pitch near3 ($3nm "0."$3".mu.m" "."$3".mu.m" (("0."$3 "."$3) adj ".mu.m"))) and (wave$1length near3 ($3nm "0."$3".mu.m" "."$3".mu.m" (("0."$3 "."$3) adj ".mu.m"))) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) | USPAT | 2004/06/17 14:39 |
| - | 9 | 369/$7.ccls. and substrate and groove and (pitch near3 ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and (wave$1length near3 ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) | USPAT | 2004/06/17 14:41 |

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|---|---|---|---|---|
| - | 22 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and (wave$1length with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) | USPAT | 2004/06/17 16:42 |
| - | 24 | 369/$7.ccls. and (pitch with (0$4".mu.m" $4".mu.m" (0$4 adj ".mu.m"))) | USPAT | 2004/06/17 14:50 |
| - | 22 | 369/$7.ccls. and (pitch near6 (0$4".mu.m" $4".mu.m" (0$4 adj ".mu.m"))) | USPAT | 2004/06/17 14:51 |
| - | 6 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and (wave$1length with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) and ((light adj transmi$5) with mm) | USPAT | 2004/06/17 16:43 |
| - | 8 | (369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) near3 layer) with $3mm)) (369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and (wave$1length with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change) and ((light adj transmi$5) with mm)) | USPAT | 2004/06/17 15:16 |
| - | 8 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) near3 layer) with $3mm) | USPAT | 2004/06/17 16:43 |
| - | 8 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) near3 layer) with ($5mm $3".mu.m" micro$1meter$1)) | USPAT | 2004/06/17 16:26 |
| - | 6 | ("5581539" \| "6023451" \| "6246656" \| "6269070" \| "6411593" \| "6487163").PN. | USPAT | 2004/06/17 15:41 |
| - | 19 | kondo-tetsuya.in. | US-PGPUB | 2004/06/17 16:33 |
| - | 423 | kondo-tetsuya.in. | USPAT; US-PGPUB; EPO; JPO | 2004/06/17 16:33 |
| - | 29 | kondo-tetsuya.in. and (phase adj chang$3) | USPAT; US-PGPUB; EPO; JPO | 2004/06/17 16:33 |

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|---|---|---|---|---|
| - | 12 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $5".mu.m")) | USPAT | 2004/06/17 17:27 |
| - | 13 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3 transparent) near4 layer) with ($3mm $5".mu.m")) | USPAT | 2004/06/17 17:12 |
| - | 13 | 369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $5".mu.m")) | USPAT | 2004/06/17 17:16 |
| - | 14 | (369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3 transparent) near4 layer) with ($3mm $5".mu.m"))) (369/$7.ccls. and substrate and groove and (pitch with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length with ($3nm $5".mu.m" ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $5".mu.m"))) | USPAT | 2004/06/17 17:16 |
| - | 1311 | 369/$7.ccls. and substrate and groove and pitch and wave$1length ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) protect$3) near4 layer) | USPAT | 2004/06/17 18:25 |
| - | 1235 | 369/$7.ccls. and substrate and groove and pitch and wave$1length ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) protect$3) near4 layer) and (super$1resolution (super adj resolution) SIL) | USPAT | 2004/06/17 17:25 |
| - | 0 | 369/$7.ccls. and ".mu.m" | USPAT | 2004/06/17 17:26 |

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|---|---|---|---|---|
| - | 4808 | 369/$7.ccls. and $1mu$1m | USPAT | 2004/06/17 17:27 |
| - | 18 | 369/$7.ccls. and substrate and groove and (pitch near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $6mu$1m)) | USPAT | 2004/06/17 18:10 |
| - | 22 | 369/$7.ccls. and substrate and groove and (pitch near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $6mu$1m)) | USPAT | 2004/06/17 18:15 |
| - | 0 | (369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and (wave$1length with ($3nm "0."$3".mu.m" "."$3".mu.m" ("0."$3 adj ".mu.m"))) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change)) not (369/$7.ccls. and substrate and groove and (pitch with ($3nm "0."$3".mu.m" "."$3".mu.m")) and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1change)) | USPAT | 2004/06/17 18:15 |
| - | 4 | (369/$7.ccls. and substrate and groove and (pitch near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $6mu$1m))) not (369/$7.ccls. and substrate and groove and (pitch near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and (wave$1length near4 ($3nm $6mu$1m ((nano micro) adj meter) micro$1meter$1 nano$1meter$1)) and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) with ($3mm $6mu$1m))) | USPAT | 2004/06/17 18:15 |
| - | 909 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and pitch and wave$1length ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) protect$3) near4 layer) | USPAT | 2004/06/17 18:32 |

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|---|---|---|---|---|
| - | 838 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and pitch and wave$1length (((numerical adj aperture) NA) with ("0.75" "0.85" "0.9" "0.90" "0.875" "0.825")) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) protect$3) near4 layer) | USPAT | 2004/06/17 18:30 |
| - | 826 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and pitch and wave$1length (((numerical adj aperture) NA) with ("0.75" "0.85" "0.9" "0.90" "0.875" "0.825")) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) near5 ($5mm $4mu$1m)) | USPAT | 2004/06/17 18:32 |
| - | 34 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and pitch and wave$1length and ((numerical adj aperture) NA) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) protect$3) near4 layer) | USPAT | 2004/06/17 18:44 |
| - | 7 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and pitch and wave$1length and (((numerical adj aperture) NA) with ("0.75" "0.85" "0.9" "0.90" "0.875" "0.825")) and ((blue indigo violet purple) with (laser light)) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) near5 ($5mm $4mu$1m)) | USPAT | 2004/06/17 18:33 |
| - | 179 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and pitch and wave$1length and ((numerical adj aperture) NA) and ((phase adj chang$3) phase$1chang$3) and (((light adj transmi$5) protect$3) near4 layer) | USPAT | 2004/06/17 18:45 |
| - | 46 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) near5 ($5mm $4mu$1m)) | USPAT | 2004/06/21 09:41 |
| - | 68 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((((light adj transmi$5) protect$3) near4 layer) near5 ($5mm $4mu$1m)) | USPAT | 2004/06/21 09:39 |
| - | 46 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((phase adj chang$3) phase$1chang$3) and ((((light adj transmi$5) protect$3) near4 layer) near5 ($5mm $4mu$1m)) | USPAT | 2004/06/21 09:42 |
| - | 194 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((phase adj chang$3) phase$1chang$3) | USPAT | 2004/06/21 12:48 |

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| - | 148 | (369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((phase adj chang$3) phase$1chang$3)) not (369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((((light adj transmi$5) protect$3) near4 layer) near5 ($5mm $4mu$1m))) | USPAT | 2004/06/21 10:13 |
| - | 43 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and (((numerical adj aperture) NA) near5 ("0.75" "0.76" "0.775" "0.78" "0.8" "0.80" "0.82" "0.825" "0.84" "0.85" "0.86" "0.875" "0.88" "0.89" "0.9" "0.90" "0.885" "0.87")) and ((phase adj chang$3) phase$1chang$3) | USPAT | 2004/06/21 11:57 |
| - | 43 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm micron)) and (wave$1length near5 ($6mu$1m $3nm)) and (((numerical adj aperture) NA) near5 ("0.75" "0.76" "0.775" "0.78" "0.8" "0.80" "0.82" "0.825" "0.84" "0.85" "0.86" "0.875" "0.88" "0.89" "0.9" "0.90" "0.885" "0.87")) and ((phase adj chang$3) phase$1chang$3) | USPAT | 2004/06/21 11:59 |
| - | 36 | 369/$7.ccls. and substrate and ((guid$3 land) with groove) and (pitch near5 ($6mu$1m $3nm)) and (wave$1length near5 ($6mu$1m $3nm)) and ((numerical adj aperture) NA) and ((phase adj chang$3) phase$1chang$3) and ((super adj resolution) SIL) | USPAT | 2004/06/21 12:50 |
| - | 10 | 369/$7.ccls. and "jis standard" | USPAT | 2004/06/22 08:26 |
| - | 0 | 369/$7.ccls. and ("jis standard" with ((x adj "6241") x6241)) | USPAT | 2004/06/22 08:27 |
| - | 0 | 369/$7.ccls. and ("jis standard" with ((x adj "6241") x6241 x6241:1997)) | USPAT | 2004/06/22 08:28 |
| - | 54 | 369/$7.ccls. and (modulated adj amplitude) | USPAT | 2004/06/22 08:29 |
| - | 2 | 369/$7.ccls. and ((modulated adj amplitude) with 0.4$1) | USPAT | 2004/06/22 08:30 |
| - | 4 | 369/$7.ccls. and ((modulated adj amplitude) with (0.4$1 0.5$1)) | USPAT | 2004/06/22 08:42 |
| - | 2 | 369/$7.ccls. and ((modulated adj amplitude) with (cnr error)) | USPAT | 2004/06/22 08:42 |
| - | 2 | 369/$7.ccls. and ((modulated adj amplitude) with (cnr error noise)) | USPAT | 2004/06/22 08:43 |
| - | 489 | 369/$7.ccls. and ((reflectivity reflectance) with (cnr error noise)) | USPAT | 2004/06/22 08:44 |
| - | 123 | 369/$7.ccls. and ((reflectivity reflectance) with (cnr error noise) with (increas$3 decreas$3 improv$5 enhanc$5 lower$3 rais$3)) | USPAT | 2004/06/22 08:45 |
| - | 0 | 369/$7.ccls. and (((reflectivity reflectance) near4 percent$3) with (cnr error noise) with (increas$3 decreas$3 improv$5 enhanc$5 lower$3 rais$3)) | USPAT | 2004/06/22 08:46 |
| - | 9 | 369/$7.ccls. and (((reflectivity reflectance) near4 (percent$3 $2%)) with (cnr error noise) with (increas$3 decreas$3 improv$5 enhanc$5 lower$3 rais$3)) | USPAT | 2004/06/22 09:03 |

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| - | 9 | 369/$7.ccls. and (((reflectivity reflectance) near4 (percent$3 $2%)) with ((s/n snr s-n-r signal-to-noise (signal adj2 noise adj ratio)) error noise) with (increas$3 decreas$3 improv$5 enhanc$5 lower$3 rais$3)) | USPAT | 2004/06/22 09:05 |
| - | 5 | 369/$7.ccls. and (((reflectivity reflectance) near4 (percent$3 $2%)) with ((s/n snr s-n-r signal-to-noise (signal adj2 noise adj ratio)) error) with (increas$3 decreas$3 improv$5 enhanc$5 lower$3 rais$3)) | USPAT | 2004/06/22 09:05 |
| - | 4 | 369/$7.ccls. and ((modulat$3 adj amplitude) with ((s/n snr s-n-r signal-to-noise (signal adj2 noise adj ratio)) error) with (increas$3 decreas$3 improv$5 enhanc$5 lower$3 rais$3)) | USPAT | 2004/06/22 09:08 |
| - | 5 | 369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and ((spindle motor) with (spin$4 rotat$3)) and (turn$1table (turn adj table)) and (demodulat$3) | USPAT | 2004/06/22 09:34 |
| - | 70 | 369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3) | USPAT | 2004/06/22 09:33 |
| - | 5 | (369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3)) and (turn$1table (turn adj table)) | USPAT | 2004/06/22 09:52 |
| - | 55 | (369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3)) and ((spindle motor) with (spin$4 rotat$3)) | USPAT | 2004/06/22 09:54 |
| - | 25 | ((369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3)) and ((spindle motor) with (spin$4 rotat$3))) and (phase$1change (phase adj change)) | USPAT | 2004/06/22 09:55 |
| - | 26 | (369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3)) and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90)) | USPAT | 2004/06/22 13:23 |
| - | 23 | ((369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3)) and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and ((spindle motor) with (spin$4 rotat$3)) | USPAT | 2004/06/22 09:54 |

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|---|---|---|---|---|
| - | 9 | (((369/$7.ccls. and (pick$1up (pick adj up) head) and ((laser light wave$1length) with (blue indigo purple violet 3$2nm (3$2 adj (nm nano$1meter)) 4$2nm (4$2 adj (nm nano$1meter)))) and (object$3 adj lens) and (demodulat$3)) and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and ((spindle motor) with (spin$4 rotat$3))) and (phase$1change (phase adj change)) | USPAT | 2004/06/22 11:30 |
| - | 1 | 369/$7.ccls. and (((sub$1code ((auxiliary sub) adj (code information signal))) with demodulat$3) same differential) | USPAT | 2004/06/22 11:32 |
| - | 238 | 369/$7.ccls. and (((sub$1code ((auxiliary sub) adj (code information signal))) with demodulat$3)) | USPAT | 2004/06/22 11:33 |
| - | 1 | 369/$7.ccls. and ((sub$1code ((auxiliary sub) adj (code information signal))) with demodulat$3) and ((sub$1code ((auxiliary sub) adj (code information signal))) with differential) | USPAT | 2004/06/22 11:35 |
| - | 21 | 369/$7.ccls. and ((sub$1code ((auxiliary sub) adj (code information signal))) with demodulat$3) and differential | USPAT | 2004/06/22 12:14 |
| - | 10 | 369/$7.ccls. and (((sub$1code ((auxiliary sub) adj (code information signal))) with demodulat$3) with (wobbl$3 focus$4 tracking)) | USPAT | 2004/06/22 12:16 |
| - | 594 | 369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90)) | USPAT | 2004/06/22 13:23 |
| - | 702 | 369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3???mu?m 0.4???mu?m) ((0.3?? 0.4??) adj (micro$1meter$1 ?mu?m micron$1)))) | USPAT | 2004/06/22 13:32 |
| - | 123 | 369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1)))) | USPAT | 2004/06/22 13:34 |
| - | 738 | 369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))) | USPAT | 2004/06/22 13:49 |
| - | 12 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((light adj transmi$5) light?transmi$5) | USPAT | 2004/06/22 14:30 |

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|---|---|---|---|---|
| - | 16 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and (groove with (land guid$3)) | USPAT | 2004/06/22 14:21 |
| - | 39 | (369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1))))) | USPAT | 2004/06/22 14:23 |
| - | 0 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3) near3 layer) with (7??mu.m 8??mu.m 9??mu.m 11??mu.m 120?mu.m 10??mu.m ((7? 8? 9? 11? "120" 10?) adj (micro$1meter$1 ?mu.m)))) | USPAT | 2004/06/22 14:47 |
| - | 6 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3) near3 layer) with (0.07$1mm 0.08$1mm 0.09$1mm 0.11$1mm 0.12mm 0.120mm 0.1$2mm ((0.07$1 0.08$1 0.09$1 0.11$1 0.12 0.120 0.1$2) adj (milli$1meter$1 mm)))) | USPAT | 2004/06/22 14:53 |

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|---|---|---|---|---|
| - | 0 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3) near3 layer) with (7??mu?m 8??mu?m 9??mu?m 11??mu?m 120?mu?m 10??mu?m ((7? 8? 9? 11? "120" 10?) adj (micro$1meter$1 ?mu?m)))) | USPAT | 2004/06/22 14:53 |
| - | 0 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3 resin) near3 layer) with (7??mu?m 8??mu?m 9??mu?m 11??mu?m 120?mu?m 10??mu?m ((7? 8? 9? 11? "120" 10?) adj (micro$1meter$1 ?mu?m)))) | USPAT | 2004/06/22 14:54 |
| - | 7 | ((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3 resin) near3 layer) with (0.07$1mm 0.08$1mm 0.09$1mm 0.11$1mm 0.12mm 0.120mm 0.1$2mm ((0.07$1 0.08$1 0.09$1 0.11$1 0.12 0.120 0.1$2) adj (milli$1meter$1 mm)))) | USPAT | 2004/06/22 14:56 |

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| - | 1 | (((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3 resin) near3 layer) with (0.07$1mm 0.08$1mm 0.09$1mm 0.11$1mm 0.12mm 0.120mm 0.1$2mm ((0.07$1 0.08$1 0.09$1 0.11$1 0.12 0.120 0.1$2) adj (milli$1meter$1 mm))))) not (((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3) near3 layer) with (0.07$1mm 0.08$1mm 0.09$1mm 0.11$1mm 0.12mm 0.120mm 0.1$2mm ((0.07$1 0.08$1 0.09$1 0.11$1 0.12 0.120 0.1$2) adj (milli$1meter$1 mm)))) | USPAT | 2004/06/22 14:56 |
| - | 7 | (((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3 resin) near3 layer) with (0.07$1mm 0.08$1mm 0.09$1mm 0.11$1mm 0.12mm 0.120mm 0.1$2mm ((0.07$1 0.08$1 0.09$1 0.11$1 0.12 0.120 0.1$2) adj (milli$1meter$1 mm))))) not (((369/$7.ccls. and (((numerical adj aperture) NA) with (0.7$2 0.8$2 0.9 0.90))) and (369/$7.ccls. and (pitch with (((2?? 3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm 2??nm) (0.3$2?mu?m 0.4$2?mu?m 0.2$2?mu?m) ((0.3$2 0.4$2 0.2$2) adj (micro$1meter$1 ?mu?m micron$1))))) and (369/$7.ccls. and ((wave$1length laser light) with (((3?? 4??) adj (nano$1meter$1 nm)) (4??nm 3??nm) (0.3$2?mu?m 0.4$2?mu?m) ((0.3$2 0.4$2) adj (micro$1meter$1 ?mu?m micron$1)))))) and ((((light adj transmi$5) light-transmi$5 protect$3) near3 layer) with (7??mu.m 8??mu.m 9??mu.m 11??mu.m 120?mu.m 10??mu.m ((7? 8? 9? 11? "120" 10?) adj (micro$1meter$1 ?mu.m)))) | USPAT | 2004/06/22 14:56 |